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MONTANA OIL AND GAS STATISTICAL BULLETIN

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THE OIL AND GAS CONSERVATION COMMISSION

VOL. V. No. 3 McKEE PRINT. March, 1957

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1957, averaged 72,803 barrels daily, an increase of 1,503 barrels from the average February production of 71,300.

The ten refineries in the State processed 62,539 barrels of crude oil daily for the month of March, 1957, a decrease of 4,699 barrels daily from the 67,238 barrels processed daily during the month of February, 1957.

During March 32 wells were completed, 17 oil, 0 gas wells and 15 dry holes.

During March, 1957, the Commission issued 28 permits to drill new wells, an increase of 8 from the 20 permits issued during February, 1957.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MARCH, 1957

IN STORAGE MARCH 1st:	
By Producers	325,908
By Transporters	628,353
By Refiners	582,126
TOTAL STORAGE	1,536,387
Produced in Montana During Month	2,256,902
Imported During Month	1,214,975
TOTALS	5,008,264
DISPOSITION:	
Refined in Montana	1,938,720
Exported	1,437,614
Used for Fuel or Lost	15,676
TOTALS	3,392,010
IN STORAGE MARCH 31st:	
By Producers	342,456
By Transporters	636,795
By Refiners	637,001
TOTAL STORAGE	1,616,252

NATURAL GAS WITHDRAWALS IN MONTANA

Month of March, 1957

Field	M Cu. Ft.
Bears Den	0
Big Coulee	30,334
Bowdoin	170,162
Bowes	83,742
Box Elder	0
Cedar Creek	307,013
Cut Bank (Including Reagan)	1,351,438
Devon	0
Dry Creek	184,819
Elk Basin	32,550
Flat Coulee	54,429
Golden Dome	6,432
Hardin	3,650
Keith Block	242,642
Kevin-Sunburst	130,187
Plevna	18,536
Utopia	84,920
Whitlash	153,907
Miscellaneous	24,678
TOTAL	2,879,439

Total Withdrawals for March, 1956, were 2,926,961 M Cu. Ft.

PRODUCER'S REPORT

MONTH OF MARCH, 1957

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped by Pipeline	Oil Shipped by Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	821	3,098	.....	2,991	.....	928
1	Bannatyne	2	.....	692	.....	692	.....	.....
10	Big Wall	26	4,360	21,145	.....	20,025	.....	5,480
4	Border	8	.....	667	.....	667	.....	.....
11	Bowes	75	5,382	25,190	26,842	.....	.....	3,730
....	Brady-Midway	.....	.....	.....	.....	.....	.....	.....
3	Bredette	3	2,889	3,278	3,300	.....	.....	2,867
5	North Bredette	5	2,722	10,466	8,954	.....	.....	4,234
1	Brorson	2	2,230	876	901	.....	43	2,162
....	Bynum	.....	119	.....	.....	.....	.....	119
2	Cabin Creek	43	12,135	293,863	284,101	.....	5,419	16,478
28	Cat Creek	83	4,075	13,358	12,411	.....	.....	5,022
1	Clark's Fork	1	932	714	.....	866	.....	780
2	Clark's Fork, North	2	2,942	19,073	.....	18,953	.....	3,062
2	Cupton	2	1,290	980	798	.....	.....	1,472
338	Cut Bank	1,125	124,524	217,293	215,126	.....	674	126,017
3	Deer Creek	5	1,213	7,418	6,884	.....	.....	1,747
1	Delphia	1	605	5,733	.....	5,729	.....	609
....	Devil's Basin	.....	484	.....	.....	.....	.....	484
6	Dry Creek	6	1,276	9,188	9,283	.....	.....	1,181
20	Elk Basin	58	10,375	193,847	193,995	.....	.....	10,227
3	Fertile Prairie	3	1,633	1,773	.....	2,129	.....	1,277
2	Frannie	2	293	460	576	.....	.....	177
1	Gage	1	675	342	.....	.....	.....	1,017
2	Gas City	11	3,954	33,507	32,610	.....	.....	4,851
6	Glendive	12	4,638	40,437	39,152	.....	.....	5,923
....	Golden Dome	....	378	.....	.....	.....	.....	378
4	Ivanhoe	10	3,502	39,080	.....	38,278	.....	4,304
203	Kevin-Sunburst	1,401	15,510	78,063	76,714	.....	3	16,856
1	Lake Basin	1	317	1	.....	.....	.....	318
1	Little Beaver	6	3,292	26,007	27,489	.....	.....	1,810
2	East Little Beaver	2	803	1,267	930	.....	.....	1,140
3	Melstone	5	2,217	4,081	.....	4,185	.....	2,113
2	Mosser	6	.....	2,833	.....	2,833	.....	.....
1	Outlook Area	1	1,004	8,016	.....	7,170	1,401	449
10	Pennel	20	5,961	63,853	61,325	.....	1,054	7,435
4	Pine	96	22,868	436,948	437,747	.....	759	21,310
69	Pondera	323	10,563	49,760	51,798	.....	.....	8,525
11	East Poplar	91	24,421	410,295	382,104	22,553	155	29,904
3	Northwest Poplar	4	1,389	1,806	.....	2,023	.....	1,172
4	Ragged Point	7	2,783	6,050	.....	5,797	10	3,026
....	Rattlesnake Butte	.....	399	.....	.....	.....	.....	399
4	Reagan	43	2,519	17,843	16,692	.....	.....	3,670
1	Repeat	1	599	46	.....	.....	.....	645
4	Richey	8	3,967	10,795	10,245	.....	459	4,058
....	Rudyard	.....	35	.....	.....	.....	.....	35
2	Snyder	4	1,578	3,204	.....	3,355	.....	1,427
5	Soap Creek	17	2,678	14,411	.....	14,243	.....	2,846
1	Southwest Richey	3	1,454	5,060	4,767	.....	.....	1,747
16	Sumatra	55	12,887	109,000	108,685	.....	.....	13,202
3	Sweetgrass Hills	3	567	572	.....	359	.....	780
....	Utopia	.....	2	.....	.....	.....	.....	2
9	Whitlash	24	6,177	10,774	9,065	1,724	.....	6,162
....	Wibaux	.....	125	.....	.....	.....	.....	125
8	Wolf Springs	20	7,242	51,702	38,778	12,473	.....	7,693
1	Woodrow	1	508	1,938	1,810	.....	.....	636
1	Yellowstone	1	596	99	.....	250	.....	445
826		3,633	325,908	2,256,902	2,063,082	167,295	9,977	342,456

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year 1956	21,759,561	59,615	21,585,574	59,139
January, 1957	2,120,851	68,414	2,104,000	67,871
February, 1957	1,996,419	71,300	1,983,878	70,853
March, 1957	2,256,902	72,803	2,230,377	71,948

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1956	324,681	618,681	768,496	1,711,858
January 31, 1957	325,782	620,236	674,901	1,620,919
February 28, 1957	325,908	628,353	582,126	1,536,387
March 31, 1957	342,456	636,795	637,001	1,616,252

*Includes Wyoming Oil.

TRANSPORTER'S REPORT
MONTH OF MARCH, 1957

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Trucks			2,991				2,991		
BANNATYNE—Trucks			692			692			
BIG WALL—Trucks			20,025			12,111	7,914		
BORDER—Trucks			667			667			
BOWES—									
Trigood Oil Company	2,575	6,043			(321)		5,285		3,654
The Texas Company		20,799				20,799			
	2,575	26,842			(321)	20,799	5,285		3,654
BRORSON—Sun Oil Company		901					901		
CABIN CREEK AND OTHERS*—									
Butte Pipe Line Company	301,362	771,837		536,951	36		1,300,182		309,932
Shell Pipeline Corp.	6,320	89,913			559			90,514†	5,160
	307,682	861,750		536,951	595		1,300,182	90,514	315,092
CAT CREEK—									
Continental Pipeline Co.	5,985	8,712			196	9,093			5,408
Wm. Hanlon		3,699				3,699			
	5,985	12,411			196	12,792			5,408
CLARK'S FORK—Trucks			19,819			5,378	14,441		
CUT BANK—									
Big West Oil Company		4,150		17,291		21,441			
Darling Gathering System, Inc.	3,477	15,155				13,561			5,071
Phillips Petroleum Company	10,598	44,183		3,880	874	22,439		20,428	14,920
The Texas Pipeline Company	89,455	49,395		53,472	38	76,236		21,845	94,203
Toronto Pipeline Company	32,078	58,836			(2)			66,330	24,586
Union Oil Company	106,040	42,417		33,960	(3)	77,611			104,809
	241,648	214,136		108,603	907	211,288		108,603	243,589
DELPHIA—Trucks			5,729			5,729			
DRY CREEK—Ohio Oil Company	9,512	9,470			(107)	12,135			6,954
ELK BASIN—Ohio Oil Company		193,995				139,912	54,083		
FERTILE PRAIRIE—Trucks			2,129				2,129		
FRANNIE—Ohio Oil Company		576					576		
GLENDIVE, DEER CREEK and WOODROW—									
The Texas Pipeline Company	2,749	47,414			(515)			45,576†	5,102
IVANHOE—Trucks			38,278			29,071	9,207		
KEVIN-SUNBURST									
Big West Oil Company	2,105	34,994				34,983			2,116
Homestake Oil & Gas Company	236	3,777				3,107			906
The Texas Pipeline Company	7,910	36,154		1,298	465	37,013			7,884
Anna Aronow	21	1,304						1,298	27
	10,272	76,229		1,298	465	75,103		1,298	10,933
MELSTONE—Trucks			4,185			4,185			
Mosser—Trucks			2,833				2,833		
OUTLOOK AREA			7,170				7,170		
PONDERA—									
Phillips Petroleum Company	7,934	52,635			985	50,755			8,829
POPLAR and BREDETTE—									
East Poplar Gathering System	18,983	394,358			(759)			400,861†	13,239
Trucks			24,576				24,576		
	18,983	394,358	24,576		(759)		24,576	400,861	13,239
RAGGED POINT—Trucks			5,797			5,797			
REAGAN—Union Oil Company		16,692				16,692			
SNYDER—Trucks			3,355			1,426	1,929		
SOAP CREEK—Trucks			14,243			10,846	3,397		
SUMATRA—									
Powder River Pipeline, Inc.	15,533	110,743			553	104,903			20,820
SWEETGRASS HILLS—Trucks			359			359			
WHITLASH—									
Homestake Oil & Gas Company	2,328	533		7,550		9,366			1,045
Western Natural Gas Company	203	8,532						7,550	1,185
Trucks			1,724			1,724			
	2,531	9,065	1,724	7,550		11,090		7,550	2,230
WOLF SPRINGS—									
Powder River Pipe Line Co.	2,949	38,778			195	40,587			945
Trucks			12,473			12,473			
	2,949	38,778	12,473		195	53,060			945
YELLOWSTONE—Trucks			250			250			
TOTALS	628,353	2,065,995	167,295	654,402	2,194	785,040	1,437,614	654,402	636,795

*Cabin Creek, Cupton, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey and Southwest Richey Fields.
†Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MARCH, 1957

Fields	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asph. Co.	Farmers Union	Jet Fuel Refinery	Phil. Petr. Co.	The Texas Co.	Texas Calgary Co.	Union Oil Co.	Total by Fields
Bannatyne	.....	.....	.....	.....	.....	.....	692	.....	.....	.....	692
Big Wall	.....	.....	.....	.....	13,489	.....	.....	.....	.....	.....	13,489
Border	.....	.....	.....	.....	.....	.....	.....	1,387	.....	.....	1,387
Bowes	.....	.....	.....	16,710	.....	.....	.....	.....	.....	.....	16,710
Cat Creek	.....	.....	9,075	.....	.....	4,272	.....	.....	.....	.....	13,347
Clark's Fork	.....	.....	.....	.....	5,919	.....	.....	.....	.....	.....	5,919
Cut Bank	21,441	.....	.....	.....	.....	.....	22,218	93,071	.....	82,911	219,641
Delphia	.....	.....	.....	.....	.....	3,979	.....	.....	.....	.....	3,979
Dry Creek	.....	.....	.....	.....	8,673	.....	.....	.....	.....	.....	8,673
Elk Basin	.....	96,122	43,790	.....	.....	.....	.....	.....	.....	.....	139,912
Ivanhoe	.....	.....	.....	.....	15,330	.....	.....	.....	.....	14,823	30,153
Kevin-Sunburst	45,282	.....	.....	.....	.....	.....	.....	59,336	.....	.....	104,618
Melstone	.....	.....	.....	.....	.....	2,979	.....	.....	.....	.....	2,979
Pondera	.....	.....	.....	.....	.....	.....	48,205	.....	.....	.....	48,205
Ragged Point	.....	.....	.....	.....	5,884	290	.....	.....	.....	.....	6,174
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,692	16,692
Snyder	.....	.....	.....	.....	.....	.....	.....	.....	1,426	.....	1,426
Soap Creek	.....	.....	.....	.....	.....	.....	.....	.....	4,691	.....	4,691
Sumatra	.....	.....	411	.....	113,019	.....	.....	.....	.....	.....	113,430
Sweetgrass Hills	360	.....	.....	.....	.....	.....	.....	.....	.....	.....	360
Whitlash	.....	.....	.....	.....	.....	.....	.....	13,969	.....	1,724	15,693
Wolf Springs	.....	49,322	.....	.....	.....	.....	10,470	.....	.....	.....	59,792
Yellowstone	.....	.....	.....	.....	145	.....	.....	.....	.....	.....	145
Total Montana Oil	67,083	145,444	53,276	16,710	162,459	11,520	81,585	167,763	6,117	116,150	828,107
Canadian Oil Imported	.....	.....	.....	.....	.....	.....	2,645	.....	.....	5,949	8,594
Wyoming Oil Imported	.....	601,920	241,215	.....	256,021	2,863	.....	.....	.....	.....	1,102,019
TOTAL Montana, Canadian and Wyoming Oil	67,083	747,364	294,491	16,710	418,480	14,383	84,230	167,763	6,117	122,099	1,938,720

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year 1956	24,735	239	37,486	62,460
March, 1956	23,179	37	40,896	64,112
March, 1957	26,713	277	35,549	62,539

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
39.60%	.39%	60.01%
30.16%	.06%	63.78%
42.71%	.45%	56.84%